LP-MP-OTDR

Optical Time Domain Reflectometer

User's Manual

Linkedpro
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LP-MP-OTDR



Revision History

Date	Rev. No.	Description	Author(s)
2025.12.12	V1.0	Initial Release	

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ISO9001 Certification

Produced to ISO9001 International Quality System Standard as part of Linkedpro, is objective of continually increasing customer satisfaction through improved process control.

Safety Instructions

During each stage of operation of this instrument, please always observe the following safety instructions. Not taking any safety precautions or following the instructions will violate the safety standards of design, manufacturing and application of these instruments. In no case will Linkedpro bears the responsibilities for consequences incurred by violation of the following instructions.

GENERAL

This product is a Safety Class 1 instrument. The protective features of this product may be impaired if it is used in a manner not specified in the operating instrument.

Environmental Conditions

This instrument (without AC/DC adapter) is a Class I safety device and is suitable for use in outdoor environments with a pollution level of Grade 2, maximum relative humidity: 95%. For the AC power supply voltage requirements and operating environment temperature, please refer to the technical specification table.

Before Applying Power

Verify that the product is set to match the available line voltage, the correct fuse is installed, and all safety precautions are taken. Requirement of the external power supply: DC 5V/1A.

Do Not Operate in an Explosive Atmosphere

Do not operate the instrument in the presence of flammable gases or fumes.

Do Not Remove Instrument Cover

Operating personnel must not remove instrument covers. Component replacement and internal adjustments must be made only by qualified service personnel.

Instruments that appear damaged or defective should be made inoperative and secured against unintended operation until they can be repaired by qualified service personnel.

Safety Terms Used in This Manual



The **WARNING** sign denotes a hazard. It calls attention to a procedure, practice, or the like, which, if not correctly performed or adhered to, could result in personnel injury. Do not proceed beyond a WARNING sign until the indicated conditions are fully understood and met.



The **CAUTION** sign denotes a hazard. It calls attention to an operating procedure, or the like, which, if not correctly performed or adhered to, could result in damage to or destruction of part or the entire product. Do not proceed beyond a CAUTION sign until the indicated conditions are fully understood and met.



The **NOTE** sign information that may be beneficial during the use and maintenance of instrument.

Laser Safety Announcements



The instrument is a laser instrument. Users should avoid looking directly into the optic output.

- Always avoid looking directly into the optical output port, when the instrument is working. And the use of microscopes or magnifier should also be avoided, for the use of such devices can focus a highly intense beam onto the retina, which may result in permanent eye damage.
- Always replace protective dust cap when the instrument is not in use.
- Always avoid looking directly at unconnected end of optic fiber in testing and make the unconnected end pointing at a non-reflective object if available.

Electric Safety Announcements

If you need to assure instrument thorough outage, please pull up power line and take the battery out.



- AC/DC adaptor should be used only indoors.
- The ambient air of instrument place should be free flow.
- Any using of electric tools near inflammable gas or smog will be a big safety threat.
- In order to avoid electric shock, please don't use instrument if there is damage on any outside surface part (top cover, panel, etc.)
- Only qualified professional staff can do electrified adjustment, maintenance and repair to the operating instrument.
- Even instrument power is cut off; the capacity in instrument might be electrified in some time after that.

Agreement and Statement

Button or menu: The operating units in GUI that can be clicked, indicated by letters in square brackets, e.g. **【File】, 【Save】,** and **【Quit】**.

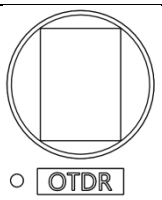
Key: , **Ï**

1.5 Front Panel Keys Instruction

Name	Description
	When the device is off, long press to boot.
	When the device is powered on, long press to turn off the device.
	When the device is on, short press to turn on the flashlight, and short press again to turn it off.

1.6 Interface Instruction

Interfaces on the device

Interface	Icon	Description	Position on device
VFL		VFL port	Top panel
OPM		OPM port	Top panel
OTDR		OTDR/SLS port	Top panel
TF		Memory card slot	Top panel
RESET		Reset Button	Top panel
USB		Data transfer/charge	Lower right side

WARNING!

Pay attention to invisible laser radiation: During the measurement process of the optical fiber system, invisible laser is emitted to the optical port at irregular intervals. To avoid serious eye injury, never look directly into the optical outputs of fiber optic network equipment, test equipment, patch cords, or test jumpers.

- Always avoid looking directly into the optical output port, when device is working.
- Always replace protective dust cap on the detector port when device is not being used.
- Always avoid looking directly at unconnected end of optic fiber in testing and make the unconnected end pointing at a non-reflective object if available.

1.7 Power Instruction

The device uses following power supplies:

- AC adaptor (Connect to standard outlet – Indoor use only)
- Li-ion rechargeable battery (Auto power supply when AC adaptor is unplugged)
- AC adaptor and battery power supply can be switched without affecting operation
- After AC/DC power adaptor is connected, built in Li-ion battery will be automatically charged.

When only using Li-ion battery as power supply, following situations may automatically power off or dysfunction

- The battery power indicator displayed on LCD screen will turn red (Low battery) when the battery power is insufficient and the device may automatically power off.
- If unused for a long time, the device may not power on properly, please connect power adaptor and recharge the battery.

1.8 Use of Rechargeable Battery

- Battery for the device is Lithium rechargeable battery.
- When the device is charged by AC/DC power adaptor, charging indicator on the front panel will turn red and turn green after charge is complete.
- Battery of the device is rechargeable Li-ion battery. If unused for a long time, please charge the battery to 50%-70% before conservation.

CAUTION!

Keep the battery off from fire and intense heat; do not open or short circuit the battery.

2 Basic Operation

2.1 Foreword

This part introduces the basic operation on the device. Please read this manual carefully for optimal operation. Should you encounter any problems during operation, you are welcome to contact the technical staff of our company or representatives.

2.2 Power On/Off

Power on:

Press  button and hold 1 seconds to turn on the device.



Power off the device will completely shut down the device and modules. When power on, the device will reboot.

2.3 Enter and Exit Power Saving Mode

When power is on, user can set the device to power saving mode and return to normal status. In power saving mode, the LCD backlight will turn off.

- When the device is turned on and no operation is performed beyond the set power-saving time, the system will automatically enter the power-saving state.

To exit from power-saving state：

- Click the screen to exit from power-saving state.

2.4 Start Application

Turn on the device

Press【  】 to turn on the device. Splash screen shows up, and then the device goes into the main menu after 2 seconds. All function modules are shown in the main menu.

Turn on/off the flashlight：

When the power is on，short press【 】to turn on/off the flashlight.

Turn off the device

Long press【 】to turn off the device.

Shortcut menu operation：

In any interface, there is a shortcut menu at the top of the screen. Swiping down at the top of the screen will pop up: 【Screenshot】, 【Flashlight】, 【Power Off】, 【Exit】.

3 Common Settings and Special Settings

3.1 Language

Multi-language support

3.2 Auto Power-off

If it has not operated for a long time, it can automatically shut down. The waiting time can be set according to your own habits.

3.3 Data Transfer

When connected to a computer, the device will automatically drive into a USB flash drive on the computer. At this point, it can be operated on the computer as a USB flash drive.

3.4 Date and Time

Set the system date and time. After removing the instrument battery, the system time will reset. After reinstalling the battery, the date and time need to be set.

3.5 Upgrade

1. Insert the officially released upgrade package into the USB flash drive formed by the instrument driver from your computer via a USB cable.
After unplugging the USB cable, click【Upgrade】and the instrument will automatically enter the upgrade mode to complete the firmware update.

4 Fundamental Knowledge of OTDR

4.1 Principle of OTDR

OTDR (Optical Time Domain Reflectmeter) is a measurement instrument for identifying optic fiber transmission features. It is mainly used to measure attenuation of a whole optic fiber chain and provide attenuation details relating to length, namely detect, locate and measure any event in optic fiber chain (Events refer to faults caused by splicing, connectors and bending). Its non-destructive, one-end connection and rapid measurement features have made the OTDR module an indispensable tool for the testing application of optic fiber manufacture, construction and maintenance.

The faults and heterogeneity of optic fiber itself cause Rayleigh scattering of light pulse transmitted in optic fiber. Part of light pulse is scattered in the reverse direction, and this is called Rayleigh backward scattering, which actually provides attenuation details relating to length.

Information relating to distance is obtained through time information (That's the reason why there is "Time Domain" in the name of OTDR). Fresnel reflection occurs at the boundary between two media of different IOR (For example, connections of faults, connectors, or optic fiber end). This reflection is used to locate the discontinuous points on optic fiber. The magnitude of reflection depends on the difference between IOR and the smoothness of boundary.

OTDR sends out a light pulse into the connected optic fiber and receive reflections of events and backward scattering power of pulse in time. Locus will be displayed on LCD. The Y-axis is dB value of backward scattering power, and the X-axis is the distance.

4.2 OTDR Measurement and Trace Analysis

OTDR displays power relating to distance of returning signals. This information can be used to identify the main properties of an optic fiber chain, such as the optic transmission characteristic of fiber, connector and etc.

Full auto trace analysis will realize the following measurement:

- Event location (Distance), end or rupture of optic fiber chain
- Attenuation coefficient of fiber
- Loss of a single event (e.g. one optic tie-in), or total loss from upper end to end
- Range of a single event like reflection of connectors (Or grade of reflection)
- Auto measurement of cumulative loss of a single event
- Events list: event type, loss, reflection and distance.

4.3 Basic Definition and Classification of Events

Events refer to any abnormal points causing attenuation or sudden change of scattering power besides the normal scattering of optic fiber, which include all kinds of losses like bending, connections and ruptures.

Events points displayed on LCD are abnormal points that cause traces to deviate from straight line.

Events can be classified as reflection events and non-reflection events.

4.3.1 Reflection Events

When some pulse energy is scattered, reflection events happen. When reflection event occurs, peak shows on trace, as shown below:

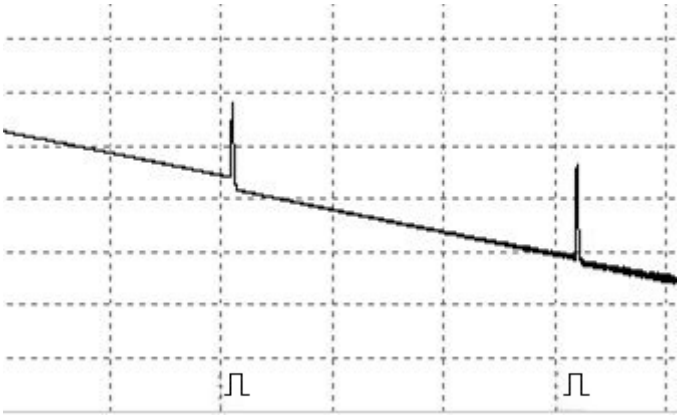


Fig.4.1 Reflection Event

4.3.2 Non-reflection Events

Non-reflection events happen at certain points where there is some optical loss but no light scattering. When non-reflection event occurs, a power decline shows on trace, see below:

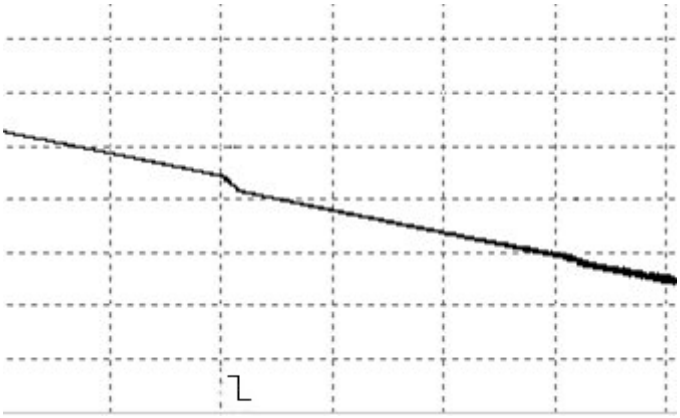


Fig.4.2 Non-reflection Event

4.4 Optic Fiber Link and Event Types

Optic fiber link and event type:

Event Type	Description
	Reflection event
	Non-reflection event
	End of optic fiber link

Tab.4.1 Optic Fiber Link and Event Type

NOTE

End of optic fiber can be identified through scanning the first loss event that is greater than end threshold.

5. Prepare to Use OTDR

5.1 Connectors Instruction

The optical ports equipped on device are FC/PC (Interchangeable SC, ST and LC)

5.2 Cleaning and Connecting with Optical Fiber

To ensure measurement accuracy, please clean and connect fiber properly before testing.

Connecting fiber to OTDR port is tool-free.

- Please refer to “Maintenance and Calibration” for optical port and connector cleaning.
- Clean connectors and check if fiber connector type is FC/PC
- Connect fiber to OTDR port.

NOTE

Improperly connected fiber may cause serious loss and reflection.

WARNING!

Please refer to Safety Instructions of this manual before testing to ensure personal safety.

CAUTION!

- When testing with OTDR, unless connected to specific optical port, please make sure there is no working laser in the fiber under test or it may cause incorrect result and even permanent damage to test instrument.
- Please not screw connectors too tight or it may damage fiber and optical port.

6. OTDR Module

6.1 OTDR Measurement

Start the test

After cleaning the end face, insert the optical fiber into the OTDR port, set the parameters, and press the 【►】key to proceed measurement.

Icon	Description
WL	Wavelength under test
PW	Pulse width selected in current test
Y	The vertical coordinate, with the unit of dB
A	Position of Marker A
B	Position of Marker B
A-B	Distance and loss between Marker A and Marker B



The curve of OTDR is shown in the middle part. The curve can be analyzed by dragging Marker A and Marker B on the touch screen.

List of events are shown on the table.

Type: Reflection Event, Non-Reflection Event, End of Fiber

Distance: The distance of the current event from the optical port.

Loss: Value of loss of current event.

Avg. Loss: The average loss of the optical fiber for the current event and the previous event.

T. Loss: The total loss from the current event to the starting end of the optical fiber.

Reflect: The return loss of the current event.

6.2 Save Trace

Save OTDR Measurement Result

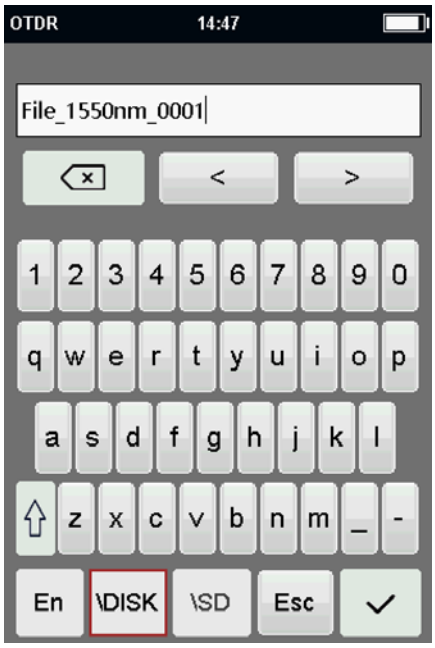
After test, press  , the soft keyboard will pop up.

Notes: only English name can be saved.

Delete the file

Enter file manager interface. Select file to be deleted. Click【**Delete**】to delete the saved file.

Icon	Description
	Switch between upper- and lower-case letters
	Delete the current character in front of the cursor
<	Move the cursor to the left
>	Move the cursor to the right
Esc	Exit
\DISK	Save the data into OTDR
\SD	Save the data into SD card



6.3 Open Saved Trace

Click Icon [] on the lower right side to open the saved trace.

After select the trace, user can open trace in OTDR mode or link image mode.

NOTE

- To view or open trace in ". bpm" format, please upload file into PC and open it with the image viewer tool.

6.4 Trace Viewing and Analysis Operation

User can zoom in/out trace, utilizing markers and marking points for trace characterization including loss, attenuation, and reflection, etc. Operations to view and analyze are shown below:

1. Zoom in/out trace quickly
2. Show A/B marker
3. Move marker
4. Switch A/B markers

Zoom in/out trace:

- In trace display area, press and hold two fingers on the area of the trace to operate from the inside out to zoom in the trace.
- In trace display area, press and hold two fingers on the area of the trace to operate from outside to inside to zoom out the trace.

Show A/B marker:

- Press & hold one finger and drag from the left to the right in trace display, Mark A and Mark B will be shown in trace display area.

Move marker precisely:

- Magnify the trace to a certain extent, marks operations will be shown in trace display area as follows:

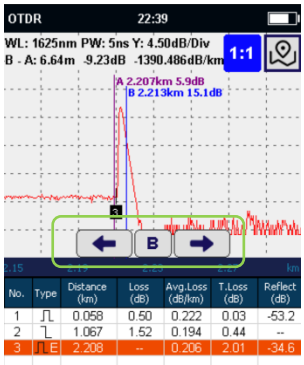


Fig. 6.4.1 Marks Operation

- Click [⬅] or [➡] button to move active marker left or right.

Switch A/B markers:

- Click A or B to switch marker.
- Or click the marker to select in trace display area.

7. File Management

After obtaining the trace through measurement, user may want to save, open and delete the trace file.

To save and open trace files, it can be achieved in the OTDR function interface.

To manage the files, it can be realized in the two ways below:

Method 1：

Open file manager：

A. In the main menu, select “File Manager” as shown below:



Fig. 7.1 File Manager

B. Open or delete trace file or the Directory

C. After the operation is completed, click [Exit] at the lower right corner to return to the main menu.

Method 2: Connect it to PC. Regard the device as one mobile device of PC. Copy or delete trace files through the computer.

8. Link Image Module

8.1 Introduction to the function

Link image is a display of various events on the optical fiber in the form of icons. It can indicate whether the event is qualified or not. This function can be used to provide non-professional testers with professional test results, issue professional reports and analysis results during the testing process, as well as offer detailed solutions to the problems that arise.

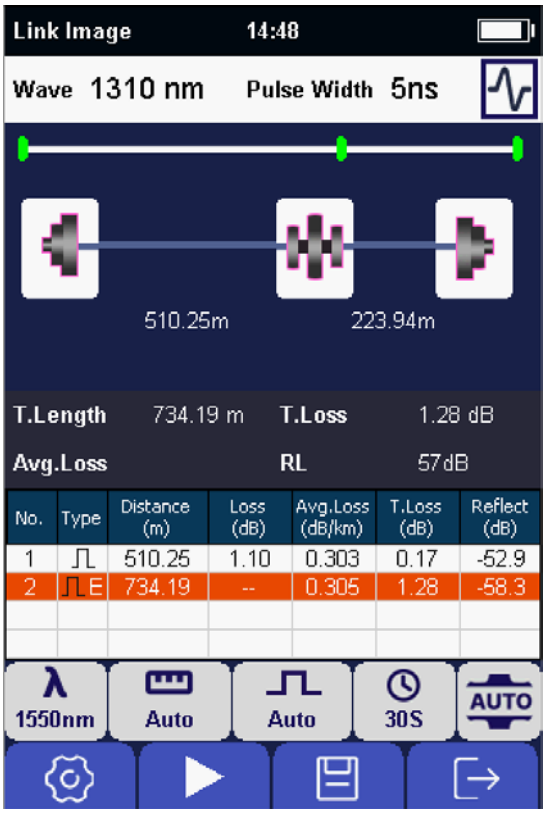


Fig. 8.1 Link Image

8.2 Instruction to operation

NOTE The usage method is the same as that of OTDR Settings. For details, please refer to the instruction to OTDR module.

After enable link image, the trace is shown in the way as above s as shown in the above.

The overall information of the optical fiber is shown at the top. Users can have an overview of the optical fiber, including the locations of all events.

Events are shown below: Different types of ICONS represent different event types respectively, and the currently selected event will have a selection box.

8.3 List of Events

Link image is the graphical result of the OTDR curve, which enables end-user to have a more intuitive view of the general situation of the tested optical fiber and is more user-friendly.

Item	Description
No.	No. of the event
Type	Reflection event/loss event
Distance	The distance of the current event
Loss	The loss value of the current event, in dB
Avg. Loss	The average loss of the optical fiber segment from the current event to the previous event, measured in dB/km
T. Loss	The total loss from the current event to the starting point of the fiber under test
Reflect	The return loss of the current event

View OTDR Curve

Link Image is the result of graphically presenting the OTDR curve. If users have any question about link image, they can press 【】to switch to the OTDR curve mode to view more detailed information.

9. Stabilized Laser Source Module

In the main menu, click laser source module. The interface will be shown as below:

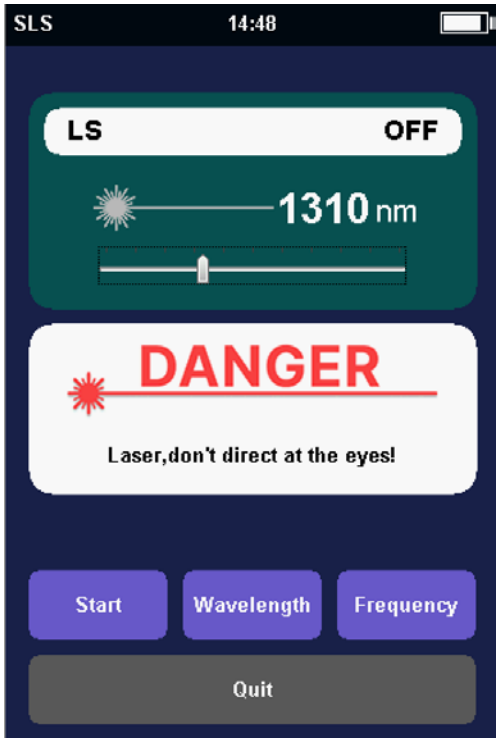


Fig. 9.1 Light Source Interface

"Wavelength": The same wavelength as the OTDR module, allowing for switching and selection between them

"Frequency": It can be switched and selected among CW, 270Hz, 330Hz, 1KHz and 2KHz modes

After Settings above are completed, click the [Start] button to start the test. After starting, click the [Shutdown] button to stop the test.

NOTE

The wavelengths of light source are the same as that of OTDR, and they share the same laser.

Quit： Exit from light source module, the light source is off automatically.

10. Optical Power Meter Module

Optical power meter operation:

Click “OPM” icon to enter Optical Power Meter interface as shown below.

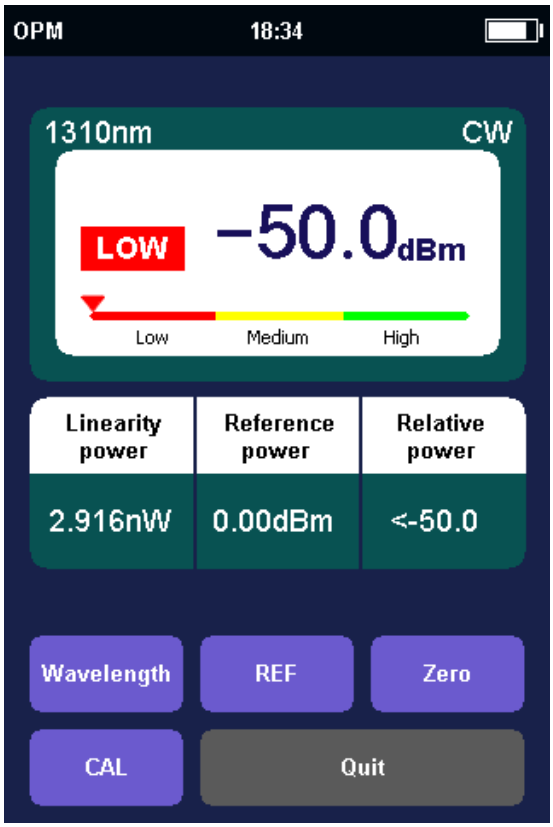


Fig. 10.1 Optical Power Meter Interface

Wavelength: 850/1270/1300/1310/1490/1550/1577/1625/1650nm

Reference: Click【**REF**】, take the current optical power meter as the reference value for subsequent measurements. The relative power value is the difference from the reference value.

Zero: Clear the set reference value and set it to 0.

Calibration： Users can calibrate the power meter by themselves.

11. VFL Module

The built-in VFL of OTDR module can shoot red laser into the tested fiber, the red laser will glow at the marco bending, breaking points and bare fiber end. It is a practical tool for fiber identification, detecting and highlighting breaks, tight bends, splices or defective connectors in optical fibers. VFL is a perfect complementary tool to OTDR for its visualized detecting method in close range like OTDR dead zone.

Operation procedures of VFL testing:

Clean connector properly.

Connect tested fiber to VFL port.

Click {VFL} in OTDR main interface.

Check “CW” option to emitter laser continuously or check “1Hz or 2Hz” to emitter modulated laser at 1Hz or 2Hz.

Press [**CW**] to start VFL and the { } icon will turn red. And the word “ON” on the upper right corner will be shown.

When VFL is working, press [**Shutdown**] to turn off VFL and the { } icon will turn back to grey. At the same time, the word “OFF” in the upper right corner will go out.



Fig.11.1 VFL Interface

NOTE The laser emitted by the visible light source is harmful to the human eyes. Do not directly shine it on the eyes. If the operation is not standardized and causes damage to the eyes, the manufacturer will not be held responsible.

12. Optical Loss Test Module

Optical power meter operation:

Click “OLT” icon to enter Optical Loss Test interface as shown below in Figure 12.2

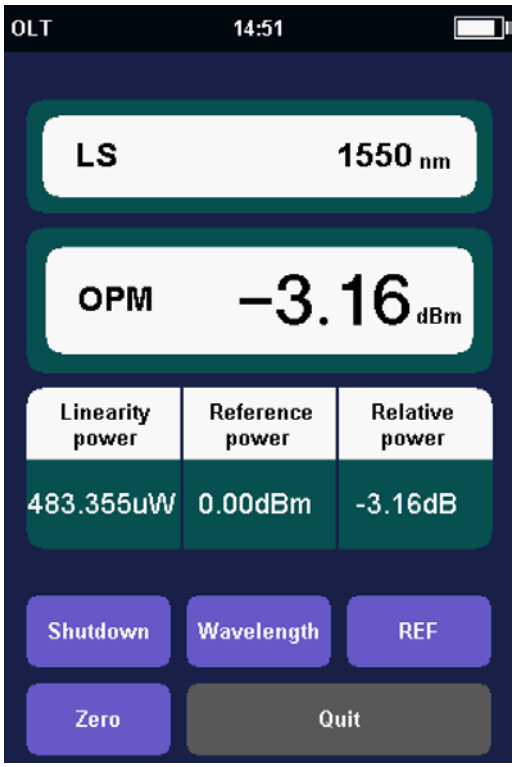


Fig. 12.2 Optical Loss Test Result

The OLT module is to turn on the light source and the optical power meter module simultaneously, using the light source as the transmitter and the optical power meter module as the receiver to complete the entire loss calculation of the optical fiber link.

1. Connect the light source and the optical power meter with standard optical fibers.
2. Enable OLT module.
3. Toggle the required wavelength by pressing【Wavelength】.
4. After the light source stabilizes (it is recommended to wait for 5 minutes), press【REF】. The relative power will be displayed as 0dB, and the "Reference Value" will show the current output power value of the light source.
5. Connect the optical fiber under test with the standard optical fiber and the optical power meter interface.

6. Currently, the "relative power" displayed is insertion loss value of the optical fiber under test.

13 Maintenance and Calibration

13.1 Cleaning of Optical Interfaces

Interfaces must be kept clean. Special alcohol may be used to clean optic output. Always replace protective dust caps when the unit is not being used and keep the protective dust caps clean. In addition, flanges must be kept clean periodically.

13.2 Necessity of Cleaning

The diameter of optic core is 9 μm, and diameter of dust and other particulates ranges from 1/100 to 1/10 μm. Comparatively speaking, the size of dust and other particulates can cover part of optic end and therefore degrade the performance of device.

In addition, power density may burn dust into optic fiber and induce further damage (for example, 0dBm optic power may produce about 16,000,000W/m^2 power density in single mode fiber). In this case, measurement will be inaccurate and irreversible.

13.3 Safety Instructions before Cleaning

1. Make sure device is powered off when cleaning
2. Any operations contradict to the instructions may result in dangerous laser injuries.
3. Make sure laser source is off when cleaning any optical connectors
4. When device is in operation, please always avoid looking directly into optic output. Although laser radiation is invisible, it may cause serious injury to eyesight.
5. Be cautious of electric shock and make sure AC power is disconnected with device before cleaning. Always use dry or moist soft cloth to clean the outside of device, and never clean the inside
6. Please do not add any accessory to optic instrument or adjust device at discretion.
7. For maintenance, always go to qualified or certified professionals

13.4 Cleaning Tools

1. Optic fiber cleaner (for cleaning of optic connectors)
2. Optic fiber cleaning rod (for cleaning of optic outputs)
3. Optic fiber cleaning tissue (for cleaning optic interfaces)
4. Isopropyl alcohol
5. Cotton ball
6. Paper tissue

7. Cleaning brush
8. Condensed air

13.5 Cleaning Procedure

1. Screw off the cap of flange
2. Clean the laser head carefully
3. Screw on the cap of flange

13.6 Battery Instruction

NOTE

- New battery is not fully charged, please charge the battery before the first time use which takes approximately 4 hours.
- Charging time is subject to the type of functional modules in use, environment, etc.
- After the battery is used for some time, its capacity may not match charging status indication (e.g. charging indicator indicates full but device may power off due to low battery), then battery calibration is necessary (Please refer to Battery Calibration).

WARNING!

- Please do not store battery in the environment where temperature is over 60℃ (140F).
- Use specified charger to charge the battery.

13.7 Charge Battery

Plug the charger to device and power outlet, charging process automatically starts and finishes after battery is fully charged.

13.8 Battery Calibration

After the battery is used for some time, the battery gauge may not be accurate, e.g. it indicates battery has run out but the battery can still provide power supply, or battery power is zero, but the battery power can last a long time. Then the battery should be re-calibrated.

Procedure:

1. Run out of the battery completely.
2. Charge the battery until it is fully charged.

13.9 Change Battery

1. Power Off device and unplug power adaptor.
2. Open the back cover.
3. Change battery.
4. Close the back cover.

NOTE

- Please note if the power indicator on front panel is off before changing battery; make sure device is completely off before changing battery.

13.10 Calibration Requirements

Calibration of devices is recommended every two years. Please contact our representatives or nearby customer service centers for proper calibration.

13.11 Shipment

During shipment, please keep device in prescribed temperature range. Please note following points to protect device during shipment:

- Use original packing materials.
- Avoid excessive temperature and humidity change.
- Avoid direct exposure to sunlight.
- Avoid shock and vibration.

14. Troubleshooting

14.1 Common Problems and Solutions

Problem	Possible Reason	Solution
Power on failure	Battery power run out	◆ Charge the battery. ◆ Change a new battery. ◆ Connect device to external power supply.
	External power supply is not connected	Connect device to external power supply.
	External power supply is unplugged	Make sure external power supply is well connected on both ends.
	Battery dock cover is not closed properly	Close the battery dock cover properly.
Black Screen	Screen backlight is off, but power indicator is on.	Press any key to exit power saving mode.
	Battery run out, device is off, power indicator is off.	◆ Charge the battery. ◆ Change a new battery. ◆ Connect device to external power supply.
Application no response	Problem error.	Press the power on/off button and hold it for a few seconds until the device turns off, then turn on the power and operate again
Operation time is short	Battery run out.	Change the battery.
	Battery is not fully charged.	◆ Charge the battery. ◆ Re-calibrate the battery.
Device indicates low battery after battery is fully charged	Battery is not fully charged.	Re-calibrate the battery

14.2 Trace Measurement Problems and Solutions

Problem	Possible Reason	Solution
Expected events are not shown in the trace	Events are too close to each other.	◆ Try again with short pulse width ◆ Try testing from the other end of the fiber
	SNR is poor	Try again with wide pulse width or increase averaging time.
	Wrong configuration	Check OTDR parameters, such as Reflection threshold, non-reflection threshold and end threshold; and then re-analyze or test again.
Special events appear at the end of the trace	Wrong configuration, e.g. wrong end threshold setting.	Adjust configuration and test again.
	The fiber under test is too long to exceed the range.	Select proper range and test again.

15. Warranty

15.1 Terms of Warranty

All Linkedpro products are warranted against defective material and workmanship for a period of one (1) year from the date of shipment to the original customer. Any product found to be defective within the warranty period would be repaired or replaced by Linkedpro free of charge. In no case will Linkedpro liabilities exceed the original purchase price of the product.

15.2 Exclusion

The warranty on your equipment shall not apply to defects resulting from the following:

- Unauthorized repair or modification
- Misuse, negligence, or accident

Linkedpro reserves the right to make changes to any of its products at any time without having to replace or change previously purchased units.

15.3 Warranty Registration

A warranty registration card is included with the original shipment of equipment. Please take a few moments to fill out the card and mail or fax it to the local Customer Service Center of Linkedpro to ensure proper initiation of your warranty term and scope of your warranty.

15.4 Returning Instruments

To return instrument for reasons of yearly calibration or other, please contact the local Customer Service Center of Linkedpro to obtain additional information and a RMA# (Return Materials Authorization number). And describe briefly reasons for the return of the equipment, to allow us to offer you more efficient service.

NOTE

To return device in the case of repair, calibration or other maintenance, please note the following:

- Be sure to pack devices with soft cushions like Polyethylene, so as to protect the shell of device.
- Please use the original hard packing box. If use other packing material, please ensure at least 3 cm soft material around device.
- Be sure to correctly fill out and return the warranty registration card, which should include the following information: company name, postal address, contact, phone number, email

address and problem description.

- Be sure to seal the packing box with exclusive tape.
- Be sure to ship to our local representative or directly to us in a reliable way.

THANK YOU FOR CHOOSING LINKEDPRO!